

DEVICES HAVING LARGE ORGANIC SEMICONDUCTOR CRYSTALS, AND METHODS  
OF MAKING THE SAME

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Abstract of The Invention

Semiconductor apparatus comprising: a dielectric layer comprising a surface, a portion of the surface having exposed aromatic groups; and a polycrystalline semiconductor layer comprising an organic semiconductor composition overlying and in contact with the portion of the surface, the organic semiconductor composition comprising a compound comprising a chain-  
10 like moiety, the chain-like moiety comprising a conjugated thiophene or phenyl group and comprising alkyl chains at ends of the chain-like moiety. Devices comprising semiconductor apparatus, methods for making semiconductor apparatus, and methods for making devices.